

## FILE 'WPIX, JAPIO, HCAPLUS' ENTERED AT 11:31:29 ON 06 MAY 2004

L1 1 S US2002074628/PN  
 L2 SEL PLU=ON L1 1- PRN PN: 3 TERMS  
 L3 2 S L2  
 L4 2 S L1 OR L3  
 L5 SEL L4 1- MC IC: 8 TERMS  
 L6 159748 S L5  
 L7 9543 S L6 AND THICKNESS  
 L8 36999 S L6 AND LEAD  
 L9 37778 S FLEX#####(3A)(WIRE OR WIRING OR FILM OR LEAD)  
 L10 1297 S L6 AND L9  
 L11 12294 S ELONGATED(3A)(CIRCLE OR CIRCULAR## OR  
 ROUND OR HOLE OR APERTURE OR OPENING OR OVAL##### OR ELLIPS##### OR OVOID)  
 L12 18233 S LEAD(3A)(CIRCLE OR CIRCULAR## OR ROUND OR  
 HOLE OR APERTURE OR OPENING OR OVAL##### OR ELLIPS##### OR OVOID)  
 L13 198779 S (POSITION### OR LOCAT#####)(5A)(CIRCLE OR CIRCULAR## OR ROUND OR HOLE OR  
 APERTURE OR OPENING OR OVAL##### OR ELLIPS##### OR OVOID)  
 L14 26069 S LEAD(5A)(CIRCLE OR CIRCULAR## OR ROUND OR HOLE OR APERTURE OR OPENING OR  
 OVAL##### OR ELLIPS##### OR OVOID)  
 L15 30 S L6 AND L11  
 L16 1395 S L6 AND L12  
 L17 1951 S L6 AND L13  
 L18 2133 S L6 AND L14  
 L19 1 S L9 AND L11 AND L12  
 L20 8 S L9 AND L11 AND L13  
 L21 1 S L9 AND L11 AND L14  
 L22 23 S L9 AND L12 AND L13  
 L23 173 S L9 AND L12 AND L14  
 L24 39 S L11 AND L12 AND L14  
 L25 1542 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND (SEALANT OR ENCAPSULANT)  
 L26 1317 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND (COVER##### OR PROTECT#####)(3A)(GLASS OR  
 WINDOW)  
 L27 3394 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND (PERIPHER##### OR OUTER OR PERIMETER###  
 OR EDGE OR OUTSIDE  
 OR AROUND)(4A) CHIP  
 L28 7275 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND (HOLE OR APERTURE OR OPENING)(3A)(SHAPE###  
 OR SHAPING)  
 L29 24177 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND (HOLE OR APERTURE OR OPENING)(5A) LEAD  
 L30 881 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND THICKNESS(5A) LEAD  
 L31 136 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND (MICRON OR MU OR MUM)(5A) LEAD  
 L32 1457 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND (COVER##### OR  
 PROTECT#####)(3A)(TRANSMI##### OR TRANSPAREN##### OR TRANSLUCEN#####)  
 L33 23014 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND ADHE#####  
 L34 2056 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND BUBBL####  
 L35 1793 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND (FLOWRATE OR FLOW RATE)  
 L36 730 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND (FLOWRATE OR RATE OR FLOW)(3A)(POLYMER##  
 OR EPOX#### OR ENCAPSUL##### OR SEAL####)  
 L37 975 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND DIFFEREN####(5A)(FLOWRATE OR RATE OR FLOW  
 OR POLYMER## OR EPOX#### OR ENCAPSUL##### OR SEAL####)  
 L38 13242 S (L6 OR (L11 OR L12 OR L13 OR L14)) AND (REFLECT##### OR ANTIREFLECT##### OR ARC  
 OR BARC OR MATTE)

## FILE 'WPIX, JAPIO, HCAPLUS' ENTERED AT 11:31:29 ON 06 MAY 2004

L39 2450 S (L15 OR L16 OR L17 OR L18) AND (L23 OR (L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR L33 OR L34 OR L35 OR L36 OR L37 OR L38))  
 L40 3790 S (L11 OR L12 OR L13 OR L14) AND L6  
 L41 3674 S (L11 OR L12 OR L13 OR L14) AND (L34 OR L35 OR L36 OR L37)  
 L42 448 S (L28 OR L29 OR L30 OR L31) AND (L25 OR L26 OR L27)  
 L43 7 S ((L11 OR L12 OR L13 OR L14) OR (L28 OR L29 OR L30 OR L31)) AND L25 AND (L26 OR L27)  
 L44 7 S ((L11 OR L12 OR L13 OR L14) OR (L28 OR L29 OR L30 OR L31)) AND L25 AND L38  
 L45 8 S ((L11 OR L12 OR L13 OR L14) OR (L28 OR L29 OR L30 OR L31)) AND L25 AND L34  
 L46 94 S L34 AND (L35 OR L36 OR L37 OR L38)  
 L47 47 S L10 AND L7 AND L8  
 L48 96 S (L34 OR L35 OR L36 OR L37) AND (L46 OR L47)  
 L49 238 S L9 AND (L15 OR (L22 OR L23 OR L24) OR (L30 OR L31) OR (L36 OR L37) OR L42 OR (L46 OR L47 OR L48))  
 L50 186 S ((L11 OR L12 OR L13 OR L14) OR (L28 OR L29)) AND L49  
 L51 6 S (L34 OR L35 OR L36 OR L37) AND L50  
 L52 13 S L10 AND L34  
 L53 8 S L10 AND (L35 OR L36 OR L37)  
 L54 373 S L9 AND (BUBBL### OR FLOWRATE OR FLOW RATE)  
 L55 4 S L54 AND (LEAD)(6A)(HOLE OR APERTURE OR OPENING)  
 L56 3747 S (L15 OR (L22 OR L23 OR L24) OR (L30 OR L31) OR (L36 OR L37) OR L42 OR (L46 OR L47 OR L48 OR L49 OR L50) OR L54)  
 L57 606 S L9 AND L56  
 L58 171 S L57 AND (LEAD)(6A)(HOLE OR APERTURE OR OPENING)  
 L59 373 S L57 AND (BUBBL### OR FLOWRATE OR FLOW RATE)  
 L60 0 S L57 AND L30 AND L31  
 L61 18 S L57 AND (L30 OR L31)  
 L62 4 S L58 AND L59  
 L63 156 S L15 OR (L19 OR L20 OR L21 OR L22) OR L24 OR (L43 OR L44 OR L45) OR (L51 OR L52 OR L53) OR L55 OR (L61 OR L62)  
 L64 110 S L63 AND LEAD  
 L65 82 S L64 AND (LEAD)(10A)(HOLE OR APERTURE OR OPENING)  
 L66 9 S L65 AND LEAD(10A)(THICKNESS OR MU OR MUM OR MICRON)  
 L67 91 S L64 AND (HOLE OR APERTURE OR OPENING)  
 L68 83 S ((L58 OR L59) OR L65) AND L67  
 L69 5 S L54 AND L68  
 L70 5 S L69 NOT L66  
 L71 11662 S FLEXIBLE FILM OR FLEXIBLE WIRING OR FLEXIBLE LEAD OR FLEXIBLE RIBBON  
 L72 3052 S FLEXIBLE CONDUCT###  
 L73 245 S L57 AND (L71 OR L72)  
 L74 15 S L65 AND L73  
 L75 8 S L74 NOT (L66 OR L70)  
 L76 3 S L57 AND BUBBL### AND (FLOWRATE OR FLOW RATE)  
 L77 2 S L76 NOT (L74 OR L66 OR L70)  
 L78 10 S L73 AND (CCD OR CAMERA OR VIDEO OR PICKUP OR PICK UP OR IMAGE### OR IMAGING)  
 L79 8 S L78 NOT (L74 OR L66 OR L70)  
 L80 93 S L57 AND HOLE(5A) LEAD  
 L81 38 S L57 AND L65  
 L82 18 S L80 AND L65

## FILE 'WPIX, JAPIO, HCAPLUS' ENTERED AT 11:31:29 ON 06 MAY 2004

L83 9 S L82 NOT (L78 OR L74 OR L66 OR L70)  
 L84 0 S L54 AND L38  
 L85 313 S ((L26 OR L27) OR L32) AND L38  
 L86 5 S L85 AND (FILM OR RIBBON OR WIRE OR WIRING OR FLEX##### OR CONDUCT#####)(3A)  
 LEAD  
 L87 5 S L86 NOT (L82 OR L78 OR L74 OR L66 OR L70)  
 L88 10929 S LEAD(5A) SHAPE##  
 L89 90760 S (HOLE OR APERTURE OR OPENING)(5A) SHAPE##  
 L90 558 S L88 AND L89  
 L91 39 S L90 AND (BUBBL### OR FLOWRATE OR FLOW OR FLOWED OR FLOWS OR FLOWING)  
 L92 38 S L91 NOT (L86 OR L82 OR L78 OR L74 OR L66 OR L70)  
 L93 2 S L92 AND (CHIP OR MICROCHIP)  
 L94 0 S L92 AND (TAPE AUTOMATED OR TAB)  
 L95 5 S L92 AND (SEALING OR SEALANT OR ADHESIVE OR ENCAPSULANT OR ECNCAPSULATING OR SEAL)  
 L96 2772 S LEAD(3A) THICKNESS  
 L97 151 S L96 AND (LEAD)(10A)(HOLE OR APERTURE OR OPENING)  
 L98 1 S L97 AND (BUBBL### OR FLOWRATE OR FLOW RATE)  
 L99 0 S L97 AND PICKUP  
 L100 0 S L97 AND PICK UP  
 L101 8 S L97 AND GLASS  
 L102 0 S L97 AND BUBBLES  
 L103 64 S (L71 OR L72) AND BUBBLES  
 L104 4 S L103 AND THICKNESS  
 L105 9 S L103 AND HOLE  
 L106 12 S (L104 OR L105)  
 L107 2 S L106 AND LEAD  
 L108 SEL PLU=ON L107 1- IC MC : 8 TERMS  
 L109 159748 S L108  
 L110 2 S L106 AND L109  
 L111 5041 S LEADTIP OR LEAD(3A) TIP  
 L112 159748 S L108  
 L113 1035 S L112 AND L111  
 L114 4 S L113 AND BUBBLES  
 L115 153 S L113 AND HOLE  
 L116 14 S L115 AND THICKNESS  
 L117 18 S L114 OR L116  
 L118 15 S L95 OR L101 OR L107  
 L119 17 S L117 NOT L118  
 L120 17 S L119 NOT (L83 OR L87)  
 L121 1 S L120 AND (FLOW OR FLOWRATE OR SEALANT OR ENCAPSULANT)  
 L122 0 S L120 AND (GLASS OR COVER OR WINDOW)  
 L123 0 S L120 AND FLEX#####

**FILE 'INSPIC' ENTERED AT 12:39:31 ON 06 MAY 2004****E LEADS/CT**

L124 24 S LEAD TIP  
 L125 2 S L124 AND HOLE  
 L126 7575 S ELECTRIC CONNECTORS OR FINE-PITCH TECHNOLOGY  
 L127 6 S L126 AND (LEAD TIP OR LEAD(4A) TIP)  
 L128 87 S L126 AND LEAD AND FLEX#####  
 L129 9 S L128 AND THICKNESS  
 L130 6 S L128 AND HOLE  
 L131 0 S L128 AND BUBBLE  
 L132 0 S L128 AND FLOWRATE  
 L133 0 S L128 AND FLOW RATE  
 L134 60 S L128 AND (ENCAPSULATION/CT OR "COATING TECHNIQUES"/CT OR  
 ELECTRODEPOSITION/CT OR MOULDING/CT OR PACKAGING/CT OR "PLASTIC PACKAGING"/CT OR  
 "SEMICONDUCTOR TECHNOLOGY"/CT OR SILICONES/CT OR B0170J/CT OR E1810/CT)  
 L135 9 S L134 AND (GLASS OR WINDOW OR COVER)  
 L136 26 S (L127 OR (L129 OR L130) OR L135) NOT L125  
 L137 14 S L136 AND (CHIP OR MICROCHIP)  
 L138 1 S L136 AND (IMAGER OR IMAGING OR PICKUP OR  
 PICK UP OR CCD OR CAMERA OR CLOSE COUPLED OR VIDEO OR CAMERA OR PHOTOGRAPH#####)  
 L139 14 S (L137 OR L138)  
 L140 54 S FLEXIBLE WIRING OR FLEXIBLE LEAD  
 L141 0 S L136 AND L140  
 L142 14 S L136 AND FLEXIBLE  
 L143 8 S L142 NOT (L139 OR L125)

**FILE 'WPIX' ENTERED AT 12:48:48 ON 06 MAY 2004**

L144 2 S (US4987474 OR US5591960)/PN  
 L145 SEL PLU=ON L144 1- PN: 7 TERMS

**FILE 'DPCI' ENTERED AT 12:49:39 ON 06 MAY 2004**

L146 18 S L145/PN.D  
 L147 SEL PLU=ON L146 1- PRN: 33 TERMS

**FILE 'HCAPLUS, WPIX, JAPIO, EUROPATFULL, PCTFULL' ENTERED AT 12:50:14 ON 06 MAY 2004**

L148 50 S L147  
 L149 0 S L148 AND (LEAD AND HOLE AND THICKNESS)/TI,AB,CLM  
 L150 19 S L148 AND (LEAD OR HOLE OR THICKNESS)/TI,AB,CLM  
 L151 4 S L150 AND FLEXIBLE  
 L152 10 S L150 AND (FLEXIBLE OR LEAD)(8A)(CHIP OR MICROCHIP)  
 L153 7 S L152 NOT L151

**FILE 'JICST-EPLUS' ENTERED AT 12:53:40 ON 06 MAY 2004**

L154 4 S FLEXIBLE AND LEAD AND HOLE  
 L155 25 S FLEXIBLE WIRING OR FLEXIBLE LEAD  
 L156 25 S L155 NOT L154  
 L157 4 S L156 AND (HOLE OR APERTURE OR OPENING OR THICKNESS)  
 L158 20 S FLEXIBLE AND LEAD AND CHIP  
 L159 20 S L158 NOT (L157 OR L154)  
 L160 2 S L159 AND (THICKNESS OR HOLE OR ENCAPSUL##### OR SEAL#####)